

Application No. 10/099,640
Response After Final dated April 5, 2006

Listing of Claims:

1. (previously presented) A method to be performed in a wireless phone, comprising:
receiving, from a source, a first message having a first beacon activation command;
activating a beacon in response to the first beacon activation command; and
embedding location information of the wireless phone into the beacon,
wherein the location information is determined using a satellite positioning receiver in the
wireless phone after receipt of the first beacon activation command;
wherein, prior to the activating of the beacon, a warning message indicating pending
beacon activation is displayed after receiving the first beacon activation command.
2. (canceled)
3. (original) The method of claim 1, further comprising sending a message having location
information to the source.
4. (canceled)
5. (original) The method of claim 1, wherein the first beacon activation command includes
beacon parameters.
6. (original) The method of claim 5, further comprising receiving a second message having
a second beacon activation command, the second beacon activation command having different
parameters than the first beacon activation command.
7. (original) The method of claim 6, wherein the beacon parameters include beacon power,
beacon cadence, beacon duration.
8. (original) The method of claim 1, wherein activating uses default beacon parameters if
the beacon activation command does not include parameters.

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9. (original) The method of claim 1, further comprising:
determining to enter a power save mode; and
if it is determined to enter the power save mode then
turning off a receiver in the wireless phone, and
activating the beacon per power save beacon parameters.
10. (original) The method of claim 1, wherein the first message includes a SMS text message.
11. (previously presented) A wireless phone, comprising:
means for receiving, from a source, a first message having a first beacon activation command;
activating a beacon in response to the first beacon activation command; and
means for embedding location information of the wireless phone into the beacon;
wherein the location information is determined using a satellite positioning receiver in the wireless phone after receipt of the first beacon activation command; and
wherein, prior to the activating of the beacon, a warning message indicating pending beacon activation is displayed after receiving the first beacon activation command.
12. (previously presented) A computer-readable medium for storing instructions to cause a wireless phone to perform a method, the method comprising:
receiving, from a source, a first message having a first beacon activation command;
activating a beacon in response to the first beacon activation command; and
embedding location information of the wireless phone into the beacon;
wherein the location information is determined using a satellite positioning receiver in the wireless phone after receipt of the first beacon activation command; and
wherein, prior to the activating of the beacon, a warning message indicating pending beacon activation is displayed after receiving the first beacon activation command.
13. (canceled)

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14. (original) The computer-readable medium of claim 12, the method further comprising sending a message having location information to the source.
15. (canceled)
16. (original) The computer-readable medium of claim 12, wherein the first beacon activation command includes beacon parameters.
17. (original) The computer-readable medium of claim 16, the method further comprising receiving a second message having a second beacon activation command, the second beacon activation command having different parameters than the first beacon activation command.
18. (original) The computer-readable medium of claim 17, wherein the beacon parameters include beacon power, beacon cadence, beacon duration.
19. (original) The computer-readable medium of claim 12, wherein the activating uses default beacon parameters if the beacon activation command does not include parameters.
20. (original) The computer-readable medium of claim 12, the method further comprising:
determining to enter a power save mode; and
if it is determined to enter the power save mode then
turning off a receiver in the wireless phone, and
activating the beacon per power save beacon parameters.
21. (original) The computer-readable medium of claim 12, wherein the first message includes a SMS text message.
22. (previously presented) A wireless phone, comprising:
a communications engine, communicatively coupled to a wireless transceiver, capable to receive, from a source, a first message having a first beacon activation command via the transceiver;

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a location determining device capable of using a satellite positioning system;

a beacon engine, communicatively coupled to the communications engine, the location determining device, and to the transceiver, capable to transmit a beacon via the transceiver upon receipt of the first message having a beacon activation command and further capable to embed location information of the wireless phone into the beacon obtained from the location determining device after receipt of the first beacon activation command; and

an interface engine, communicatively coupled to the communications engine, capable of displaying a warning message indicating pending beacon activation after receipt of the first beacon activation command and prior to the transmission of the beacon

23. (canceled).

24. (previously presented) The phone of claim 22, wherein the beacon engine is further capable to send a message having location information to the source.

25. (canceled)

26. (original) The phone of claim 22, wherein the first beacon activation command includes beacon parameters and wherein the beacon engine transmits the beacon according to the beacon parameters.

27. (original) The phone of claim 26, wherein the communications engine is further capable to receive a second message having a second beacon activation command, the second beacon activation command having different parameters than the first beacon activation command, and wherein the beacon engine is further capable to transmit the beacon according to the beacon parameters of the second beacon activation command.

28. (original) The phone of claim 27, wherein the beacon parameters include beacon power, beacon cadence, beacon duration.

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29. (original) The phone of claim 22, wherein the beacon engine uses default beacon parameters if the beacon activation command does not include parameters.
30. (original) The phone of claim 22, wherein the beacon engine is further cable to:
determine to enter a power save mode; and
if it is determined to enter the power save mode then to
turn off a receiver in the transceiver, and
transmit the beacon per power save beacon parameters.
31. (original) The phone of claim 22, wherein the first message includes a SMS text message.
32. (previously presented) The method of claim 1, wherein the beacon is activated a pre-specified amount of time after the displaying of the message.
33. (previously prescnted) The method of claim 1, whercin the beacon is transmitted at a frequency centered on the first unused transmit channel found during a control channel scan to minimize potential interference with normal operation of a cellular system.